

FIG. 1

Characteristic	<i>Bacillus coagulans</i> Response
Catalase production	Yes
Acid from D-Glucose	Yes
Acid from L-Arabinose	Variable
Acid from D-Xylose	Variable
Acid from D-Mannitol	Variable
Gas from Glucose	Yes
Hydrolysis of Casein	Variable
Hydrolysis of Gelatin	No
Hydrolysis of Starch	Yes
Utilization of Citrate	Variable
Utilization of Propionate	No
Deamidation of Tyrosine	No
Degradation of Phenylalanine	No
Nitrate reduced to Nitrite	Variable
Allatoin or Urate Required	No

Vitamin	RDA	Ranges	Preferred Ranges
Vitamin A	5000 units	50-50000 units	2500-20000 units
Vitamin D	400 units	4-15000 units	50-1200 units
Vitamin E	60 units	5-6000 units	10-500 units
Vitamin C	60 mg	10-25000mg	20-2000 mg
Vitamin B-3	12 mg	0.25-120 mg	2-50 mg
Vitamin B-6	2 mg	0.2-50 mg	0.5-10 mg
Vitamin B-1	1.6	0.16-160 mg	0.3-5 mg
Vitamin B-2	1.67 mg	0.15-20 mg	0.5-8 mg
Vitamin B-12	60 mcg	6-1200 mcg	10-360 mcg
Vitamin K	No RDA Established	3-600 mcg	7-120 mcg
Pantothenic Acid	10 mg	0.1-150 mg	3-40 mg

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Mineral	RDA	Range	Preferred Range
Calcium	1000 mg	10-25000 mg	250-3000 mg
Magnesium	400 mg	15-4000 mg	100-750 mg
Phosphorus	975 mg	50-5000 mg	100-1000 mg
Zinc	18 mg	3-100 mg	5-60 mg
Manganese	No RDA Established	0.5-50 mg	1-15 mg
Copper	2 mg	0.1-20 mg	0.5-5 mg
Potassium	10mg	0.1-100 mg	2-25 mg

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FIG. 4

Trace Mineral	Range	Most Preferred Range
Antimony	0.6-600 mcg	1-18 mcg
Barium	.06-60 mcg	0.1-6 mcg
Beryllium	0.007-7 mcg	0.01-.21 mcg
Bismuth	0.015-150 mcg	0.05-0.45 mcg
Boron	0.1-100 mcg	1-30 mcg
Bromine	0.2-200 mcg	0.5-8 mcg
Chromium	0.1-1000 mcg	25-300 mcg
Cobalt	0.1-100 mcg	0.25-5 mcg
Germanium	10-5000 mcg	100-1000 mcg
Gold	0.015-150 mcg	0.05-15 mcg
Iodine	10-2500 mcg	50-750 mcg
Iron	12-2500 mcg	50-500 mcg
Lithium	0.3-300 mcg	0.5-15 mcg
Nickel	0.07-70 mcg	0.1-50 mcg
Palladium	0.07-250 mcg	0.2-150 mcg
Platinum	0.015-150 mcg	0.05-15 mcg
Selenium	0.3-300 mcg	0.5-15 mcg
Silicon	6-1200 mcg	10-350 mcg
Silver	5-1000 mcg	15-250 mcg
Strontium	0.4-400 mcg	1-15 mcg
Tin	0.07-350 mcg	0.1-5 mcg
Titanium	0.3-300 mcg	1-20 mcg
Tungsten	0.07-100 mcg	0.25-20 mcg
Vanadium	0.5-500 mcg	1-50 mcg
Zirconium	0.1-100 mcg	0.25-20 mcg